

ABSTRACT OF THE DISCLOSURE

Corresponding to transmission data 101, phase controller 105 is controlled to shift a phase of modulated signal 103 by 0° or 180° . Planes of polarization of modulated signals to be transmitted from antennas 106 and 107 are made different from each other corresponding to transmission data 101. The electric field strength of a signal received at antenna 108 changes corresponding to the plane of polarization, thereby voltage value 113 output from electric field strength detector 111 varies corresponding to transmission data 101, and using this variation, judged result 115 is obtained. Two results, namely, demodulated data 112 and judged result 115 are input to comparing circuit 116, whereby the reception apparatus is capable of obtaining received data 117 with high quality.